

Title (en)
BATTERY STATE DETECTION DEVICE, SECONDARY BATTERY SYSTEM, PROGRAM PRODUCT, AND BATTERY STATE DETECTION METHOD

Title (de)
BATTERIEZUSTANDSERFASSUNGSVORRICHTUNG, SEKUNDÄRBATTERIESYSTEM, PROGRAMMPRODUKT UND BATTERIEZUSTANDSERFASSUNGSVERFAHREN

Title (fr)
DISPOSITIF DE DÉTECTION D'ÉTAT DE BATTERIE, SYSTÈME DE BATTERIE RECHARGEABLE, PRODUIT-PROGRAMME, ET PROCÉDÉ DE DÉTECTION D'ÉTAT DE BATTERIE

Publication
EP 3171186 A1 20170524 (EN)

Application
EP 15821942 A 20150612

Priority
• JP 2014146749 A 20140717
• JP 2015067006 W 20150612

Abstract (en)
A battery state detection device detects a battery state and includes: a first permissible current calculating unit configured to calculate a first permissible current of a battery based on a voltage of the battery detected by a voltage detecting unit; a second permissible current calculating unit configured to calculate a second permissible current of the battery without using the voltage of the battery; and a permissible current determining unit configured to determine a permissible current of the battery corresponding to the battery state on the basis of at least one of the first permissible current and the second permissible current.

IPC 8 full level
G01R 31/36 (2006.01); **H01M 10/48** (2006.01); **H01M 50/569** (2021.01); **H02J 7/00** (2006.01)

CPC (source: EP US)
B60L 3/0038 (2013.01 - EP US); **B60L 58/13** (2019.01 - EP US); **B60L 58/21** (2019.01 - EP US); **G01R 31/36** (2013.01 - EP US); **G01R 31/3648** (2013.01 - US); **G01R 31/3828** (2018.12 - US); **G01R 31/392** (2018.12 - EP US); **H01M 10/0525** (2013.01 - EP US); **H01M 10/4285** (2013.01 - US); **H01M 10/48** (2013.01 - EP US); **H01M 10/486** (2013.01 - EP US); **H01M 50/569** (2021.01 - EP US); **H02J 7/00** (2013.01 - EP US); **B60L 2240/545** (2013.01 - EP US); **B60L 2240/547** (2013.01 - EP US); **B60L 2240/549** (2013.01 - EP US); **H01M 2220/20** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP US); **Y02T 10/70** (2013.01 - EP US)

Cited by
DE102018221962A1; EP3349320A4; US12123920B2; US10879570B2; US11532841B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3171186 A1 20170524; **EP 3171186 A4 20180404**; **EP 3171186 B1 20191023**; CN 106662620 A 20170510; CN 106662620 B 20200911; JP 2016023967 A 20160208; JP 6316690 B2 20180425; US 10686229 B2 20200616; US 2017141444 A1 20170518; WO 2016009756 A1 20160121

DOCDB simple family (application)
EP 15821942 A 20150612; CN 201580038922 A 20150612; JP 2014146749 A 20140717; JP 2015067006 W 20150612; US 201515318828 A 20150612